

California Energy Commission



CLASSIFICATION: ELECTRIC GENERATION SYSTEM SPECIALIST I

TENURE: Permanent

TIME BASE: Full-time

SALARY: \$ 6,379 – \$7,663

LOCATION: Energy Efficiency Research Office
Energy Research and Development Division

FINAL FILING DATE: Until Filled

DUTIES/RESPONSIBILITIES: Under the general supervision of the Energy Commission Supervisor II in the Energy Efficiency Research Office, the incumbent serves as part of an interdisciplinary and/or interdivisional team to plan and implement public interest energy research, development and demonstration (RD&D) efforts related to advancing renewable energy and distributed generation technologies to advance zero net energy (ZNE) buildings. The goal is to conduct RD&D to advance science and technologies not adequately provided by the regulated or competitive markets. The incumbent performs time-critical and subject matter-critical technical or market analyses to support public interest energy RD&D funding; manages highly complex RD&D projects; and consults with experts in the field.

The incumbent will address the research issues affecting the design, operation, deployment and integration of new and emerging renewable generation technologies, generation alternatives, and other enabling technologies to be designed and developed to help meet the State's Renewable Portfolio Standards and ZNE building goals; identify methods, models and techniques to evaluate energy system impacts of renewable energy and distributed generation; assess the impact of building, community-scale and utility-scale renewable energy technologies on the cost of generation; evaluate and field test new computer models to determine the ideal characteristics, design, operation and locations for desirable new renewable technologies; reduce greenhouse gases by increasing the penetration of high-efficiency combined heat and power (CHP) renewable energy systems in conjunction with ZNE building deployment; and develop and publish scenarios detailing optimal configuration of new renewable energy generation systems.

- Lead the research, design and development of new renewable electricity generation and distributed generation technologies for ZNE buildings and communities, including:
- Complete complex technical analyses, evaluations, and field demonstrations of new and emerging renewable electricity generation, distributed generation, and other energy technologies as it relates to ZNE buildings and communities, including:
- Manage complex research projects involving renewable electricity generation and distributed generation technologies for ZNE buildings and communities. The incumbent will be responsible for all phases of project management including:
- Prepare, review and edit reports, multiple-technology resource plans, contracts and other documents. Establish and maintain project priorities, perform project evaluations, develop work plans and budgets necessary to meet program and project goals.

- Consult, advise, and make presentations to Office and Division management, Executive Office, and Commissioners on a variety of research needs related to renewable energy generation technologies and their application on the electricity generation systems and ZNE buildings and communities. Participate in identification of issues and analytic methodologies.

DESIRABLE EXPERIENCE/QUALIFICATIONS: The successful applicant should have:

- Excellent interpersonal skills. The successful applicant is expected to work within a larger team environment.
- Ability to communicate complicated information in a simple, consumer-friendly manner.
- Ability to coordinate interdisciplinary projects.

WHO MAY APPLY: All interested eligible persons are encouraged to apply. Applicants must have transfer, list, reinstatement, or SROA/Surplus eligibility. Please indicate your eligibility and RPA# 580-228 for this classification on the state application form, STD. 678. **Applications will be screened for experience and only the most qualified will be contacted for an interview.**

INTERESTED APPLICANTS SHOULD SUBMIT A COMPLETED STANDARD STATE APPLICATION (FORM STD. 678) TO:

Audra DeBenedetti-RPA 580-228
Personnel Office
1516 Ninth Street, M.S. #3
Sacramento, CA 95814
(916) 654-4515

California Relay (Telephone) Service
for the Deaf or Hearing-Impaired
From hTDD Phones: 1-800-735-2929
From Voice Phones: 1-800-735-2922

RPA #580-228

Pos#: 580-4841-001

Date: 1/18/13

